

Amendments to the Claims:

The present listing of the claims replaces all prior versions and listings of claims in the application:

Listing of the Claims:

1. – 226. (Canceled)

227. (Currently Amended) A library comprising a collection of members of a family, the family comprising a diversity of antibodies or functional fragments thereof ~~peptides, polypeptides or proteins~~, wherein the antibodies or functional fragments thereof ~~peptides, polypeptides or proteins~~ each comprise a VH CDR1 and a VH CDR2 and are encoded by DNA sequences comprising sequences encoding

(a) the VH CDR1, wherein the VH CDR1 comprises the amino acid sequence according to the formula -X₁-Y-X₂-M-X₃- (SEQ ID NO:636), wherein X₁, X₂, and X₃ are independently selected from the group consisting of A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W, and Y, and

(b) the VH CDR2, wherein the VH CDR2 comprises the amino acid sequence according to the formula X₄-I-X₅-X₆-S-G-G-X₇-T-X₈-Y-A-D-S-V-K-G- (SEQ ID NO:637), wherein X₄ and X₅ are independently selected from the group consisting of Y, R, W, V, G, and S, X₆ is selected from the group consisting of P and S, and X₇ and X₈ are independently selected from the group consisting of A, D, E, F, G, H, I, K, L, M, N, P, Q, R, S, T, V, W, and Y.

228. (Currently Amended) The library according to claim 227, wherein the antibodies or functional fragments thereof ~~peptides, polypeptides or proteins~~ further comprise a VH CDR3, and said DNA sequences further comprise a sequence encoding the VH CDR3.

229. (Currently Amended) The library according to claim 228, wherein said VH CDR3 is a ~~VH CDR3 captured~~ from the CDR3 region of an immunoglobulin gene from a B cell.

230. (Currently Amended) The library according to claim 229, wherein the ~~peptides, polypeptides or proteins~~ antibodies or functional fragments thereof further comprise an immunoglobulin light chain, and said DNA sequences further comprise a sequence encoding the immunoglobulin light chain.

231. (Currently Amended) The library according to claim 229, wherein said sequence encoding an immunoglobulin light chain is ~~captured~~ from a B cell.

232. (Currently Amended) The library according to claim 231, wherein said B cell is ~~isolated~~ from a blood sample from an autoimmune patient.

233. (Previously presented) The library according to claim 232, wherein the autoimmune patient is diagnosed with a disorder selected from the group consisting of systemic lupus erythematosus, systemic sclerosis, rheumatoid arthritis, antiphospholipid syndrome and vasculitis.

234. (Currently Amended) The library according to claim 233, wherein the antibodies or functional fragments thereof ~~peptides, polypeptides or proteins~~ further comprise VH 3-23 framework regions, and said DNA sequences further comprise sequences encoding the VH 3-23 framework regions.

235.-239. (Canceled)

240. (Currently Amended) The library according to claim 228, wherein the ~~peptides, polypeptides or proteins~~ antibodies or functional fragments thereof further

comprise an immunoglobulin light chain, and said DNA sequences further comprise a sequence encoding the immunoglobulin light chain.

241.-242. (Canceled)

243. (Currently Amended) The library according to claim 227, wherein the antibodies or functional fragments thereof ~~peptides, polypeptides or proteins~~ further comprise VH 3-23 framework regions, and said DNA sequences further comprise sequences encoding the VH 3-23 framework regions.

244.-247. (Canceled)

248. (Withdrawn-amended) The library according to claim 227, wherein said ~~peptides, polypeptides, or proteins~~ antibodies or functional fragments thereof are linked via a short linker to the final portion of M13 gene III.

249. (Withdrawn-amended) The library according to claim 234, wherein the diversity of ~~peptides, polypeptides, or proteins~~ antibodies or functional fragments thereof is displayed on genetic packages.

250. (Withdrawn) The library according to claim 249, wherein said genetic packages are M13 phage.

251. (Withdrawn) The library according to claim 250, wherein said DNA sequences are in a phage vector.

252. (Withdrawn-amended) The library according to claim 251, wherein said phage vector comprises a wild-type gene iii and a truncated gene iii for display of the antibody or functional fragment thereof.

253. (Withdrawn) The library according to claim 250, wherein said DNA sequences are in a phagemid vector.

254. (Withdrawn-amended) The library according to claim 250, wherein said displayed ~~peptides, polypeptides, or proteins~~ antibodies or functional fragments thereof are linked via a short linker to the final portion of M13 gene III.

255. (Withdrawn-amended) The library according to claim 227, wherein the diversity of ~~peptides, polypeptides, or proteins~~ antibodies or functional fragments thereof is displayed on genetic packages.

256. (Withdrawn) The library according to claim 255, wherein said genetic packages are M13 phage.

257. (Withdrawn) The library according to claim 256, wherein said DNA sequences are in a phage vector.

258. (Withdrawn) The library according to claim 256, wherein said DNA sequences are in a phagemid vector.

259. (Withdrawn-amended) The library according to claim 256, wherein said displayed ~~peptides, polypeptides, or proteins~~ antibodies or functional fragments thereof are linked via a short linker to the final portion of M13 gene III.

260. (Withdrawn) The library according to claim 255, wherein the DNA sequences further comprise a sequence encoding a VH CDR3.

261. (Withdrawn) The library according to claim 260, wherein said DNA sequences further comprise sequences encoding VH 3-23 framework regions.

262. (Withdrawn) The library according to claim 260, wherein said genetic packages are M13 phage.

263. (New) The library of claim 227, wherein the functional fragments are Fab fragments or scFv fragments.